National Institute of Environmental Health Sciences

Parasites of the air passages

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Abstract:

Parasitic infestations affect millions of the world's population. Global immigration and climate change have led to changes in the natural distribution of parasitic diseases far removed from endemic areas. A broad spectrum of helminthic and protozoal parasitic diseases frequently affects the respiratory system. The wide varieties of clinical and radiographic presentations of parasitic diseases make the diagnosis of this entity challenging. Pulmonologists need to become familiar with the epidemiology, clinical presentation, pathophysiologic characteristics, and bronchoscopic findings to provide proper management in a timely fashion. This review provides a comprehensive view of both helminthic and protozoal parasitic diseases that affect the respiratory system, especially the airways.

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Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Human Conflict/Displacement, Temperature

Temperature: Fluctuations

Geographic Feature:

resource focuses on specific type of geography

Tropical, Other Geographical Feature

Other Geographical Feature : sub-tropical

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: Foodborne/Waterborne Disease, Vectorborne Disease

Foodborne/Waterborne Disease: Helminthiases, Schistosomiasis

Foodborne/Waterborne Disease (other): Trichinella;Rhinosporidiosis;toxoplasmosis

Vectorborne Disease: Mosquito-borne Disease

Mosquito-borne Disease: Dirofilariasis, Other Mosquito-borne Disease

Mosquito-borne Disease (other): Tropical Pulmonary Eosinophilia

Medical Community Engagement: ☒

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

Resource Type: ☒

format or standard characteristic of resource

Review

Timescale: ☒

time period studied

Time Scale Unspecified